

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 55627 Mū/rs	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 03/14335	International filing date (day/month/year) 16/12/2003	(Earliest) Priority Date (day/month/year) 20/12/2002
Applicant  SONY INTERNATIONAL (EUROPE) GMBH		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1  
☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14335

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04H1

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04H H03G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 558 918 A (GRUNDIG EMV) 8 September 1993 (1993-09-08)	1,8,10, 13-15, 21-24
Y	column 1, lines 1-7  column 2, lines 28-36 column 3, lines 43-52 column 3, line 55 - column 4, line 10 column 5, lines 14-31	2-4,9, 16,17
Y	US 5 222 254 A (VERRON SERGE ET AL) 22 June 1993 (1993-06-22) column 1, lines 49-56 column 3, lines 47-53 column 3, line 61 - column 4, line 11  ----- -/--	2-4,9, 16,17



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

13 May 2004

Date of mailing of the international search report

01/06/2004

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14335

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 734 128 A (BLAUPUNKT WERKE GMBH) 25 September 1996 (1996-09-25) the whole document	1, 14, 24
A	EP 0 597 492 A (CLARION CO LTD) 18 May 1994 (1994-05-18) the whole document	1, 14, 24

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/14335

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0558918	A	08-09-1993	DE 4206394 A1	16-09-1993
			DE 59307752 D1	15-01-1998
			EP 0558918 A2	08-09-1993
US 5222254	A	22-06-1993	FR 2659511 A1	13-09-1991
			AT 127978 T	15-09-1995
			DE 69112871 D1	19-10-1995
			DE 69112871 T2	25-04-1996
			EP 0445885 A1	11-09-1991
			JP 3048661 B2	05-06-2000
			JP 5308301 A	19-11-1993
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			EP 0734128 A2	25-09-1996
EP 0597492	A	18-05-1994	JP 2841309 B2	24-12-1998
			JP 6152449 A	31-05-1994
			DE 69307465 D1	27-02-1997
			DE 69307465 T2	14-08-1997
			EP 0597492 A1	18-05-1994
			US 5493711 A	20-02-1996